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Farmer

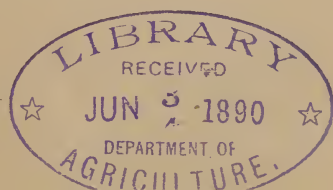
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OUR 27TH YEAR.

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BALTIMORE, MD.



You May Have Tried

A score of preparations called "sarsaparilla," without receiving any benefit; but do not be discouraged. Had you taken Ayer's Sarsaparilla in the first place, you would have been cured and saved time and money. It is not yet too late. Ayer's Sarsaparilla does not exhilarate for a while, and then leave the patient more prostrated than before; it produces a radical change in the system, such as no other preparation, claiming to be a blood medicine, can effect. Original—best—cheapest. Try Ayer's Sarsaparilla.

"During the past twenty-five years I have, at various times, used Ayer's Sarsaparilla for purifying the blood, and I am fully convinced that it is the most thorough and reliable blood-purifier ever offered to the public."—Nicholas S. M. McNeil, 240 Franklin Square, Philadelphia, Pa.

"I am glad to add my testimony to the value of Ayer's Sarsaparilla. I have, for four years past, been very much afflicted with salt-rheum on my leg, which was raw from the knee to the ankle, attended with a stinging, burning pain sometimes almost beyond endurance. The best physicians, and several preparations of sarsaparilla, failed to give relief. Last spring I was advised to try Ayer's Sarsaparilla, and I am happy to say that it has effected a thorough and permanent cure. From the first my health began to improve, and now I consider myself a well man."—Calvin Gardner, Overseer, Boot Corporation, Lowell, Mass.

"Several years ago I was prostrated with a severe attack of erysipelas, which left me in a very feeble condition. I tried various remedies without avail, and finally was induced to take Ayer's Sarsaparilla, a few bottles of which made me feel like a new person, every trace of my old complaint being removed. I can recommend this medicine to any one needing a thoroughly reliable blood-purifier."—Mrs. Almira Squires, South Albany, Vt.

"For years I suffered from scrofula and blood diseases. The doctors' prescriptions and several so-called blood-purifiers being of no avail, I was at last advised by a friend to try Ayer's Sarsaparilla. I did so, and now feel like a new man, being fully restored to health. I believe that I owe my life to Ayer's Sarsaparilla, and would recommend it to all afflicted with scrofula or any other disease of the blood."—C. N. Frink, Decorah, Iowa.

Ayer's Sarsaparilla,

Prepared by DR. J. C. AYER & CO., Lowell, Mass. Sold by all Druggists.

Price \$1. Six bottles, \$5. Worth \$5 a bottle.

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DIRECTIONS FULL IN EVERY PARTICULAR.

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BALTIMORE, MD.



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Agriculture, Horticulture, Live Stock and Rural Economy,
THE OLDEST AGRICULTURAL JOURNAL IN MARYLAND, AND FOR TEN YEARS THE ONLY ONE.

AND NEW FARM.

Vol. XXVII. BALTIMORE, May 28, 1890. No. 22.

POULTRY
and
POULTRY KEEPING,
by

H. R. WALWORTH,

Editor of The Maryland Farmer.

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CHAPTER XI.

EGGS FOR HATCHING.

To obtain the best results should be the object at all times, and to do this many little things must be attended to in the matter of obtaining egg for hatching. Many do not think this a matter of much

Our attention has been called to the fact that these articles have "copyright" attached to them. It is to secure them for publication in book form as soon as completed. We do not object to any of our exchanges copying them or any part of them who will give us the customary credit.—Ed.

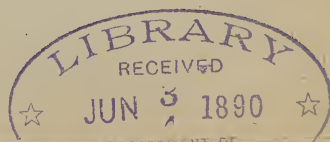
account. We can remember when we bought from our neighbor at the market price whatever eggs we might need to set, and did not stop to ask concerning them.

As the chicks from these eggs developed it was somewhat of an interesting surprise to observe, the differences, scarcely two alike, and none of any traceable name.

To secure the best results method should be carefully applied from the beginning. Certain stock should be set aside for that purpose and kept by themselves with the utmost care.

If eggs are wanted as the result, the flocks should contribute only those known to be prolific of the right colored and right sized eggs. The hens are not alone to be thought of in this light—the cock should also be from a prolific mother of the right stripe as to color and size of eggs.

The next small item is that pullets and hens should not be allowed together in the same flock. Pullets should have a mature



cock as their mate always. But hens are best mated with the cockerel. The cocks and their wives should not be of kin.

About one cock to a dozen hens is as good a rule as we can give, without going into particulars as to each breed. These should be kept by themselves and not allowed to run promiscuously with those from which you do not expect to get eggs for hatching.

Pullets with a two year old cock in full vigor will make a very profitable yard, as will also hens with a cock not more than a year old, or a nine month cockerel. The cocks must always be sprightly, active, full of life, with comb and wattles untouched by frost, proud of carriage, and full of attention to the wants of their flocks.

Another small item worth remembering is, that the hens, or pullets, must not be fat. They should be forced to hunt and scratch for their food. The eggs from lazy, well-fed, indolent or moping hens do not hatch well. The wide awake, vigilant, ever-on-the-go mothers give the eggs that hatch the best.

Another little thing is this: Eggs intended for hatching should be from hens fed very sparingly with grain; but plentifully with vegetables and some portion of meat. It has been found that nothing will take the place of ground bone in the feed box of both cock and hens. When grain is used, wheat is decidedly the best; and for soft food wheat bran is excellent.

You have in these little items what principally concerns the stock and the care bestowed upon them. Of course this flock will need no dosing with stimulants or medicines. If they did need these, they are not what you want to raise from. Now let us consider the eggs themselves.

Do not attempt to decide before hand what shaped eggs will bring males or females. That is far beyond our science

at present. Those who have experimented on the subject know no more than we do, who have not made any effort in that direction.

It is best to collect all eggs intended for hatching as soon as possible after they are laid. In cold weather it is necessary that care shall be taken that they have not been chilled. They will bear considerable cold; but it is not best to run much risk in this direction.

Handle the eggs you wish for hatching very tenderly and keep them from all unnecessary shaking or jarring. Eggs have been carried thousands of miles without serious injury; but we have much faith that care is well bestowed when exercised in collecting and carrying and properly storing the eggs.

Do not select either large eggs or small eggs. Let the size ordinarily laid by the breed govern the size of eggs chosen. Very large eggs are frequently double yolked and are not generally depended upon. When not of this character, they are the evidence of some derangement of the mother's system temporarily and should be rejected.

As to the shape of the eggs, have them of the true egg form. Do not accept elongated eggs, nor the very round eggs. The eggs sharp at both ends, or wrinkled, or with thin shells, or of any odd shape or appearance, are not desirable.

It is always best to have eggs as fresh as possible for hatching; but if necessary to do so, they can be kept a month with care and then hatch well. If they are to be kept some time, it would be best to keep them in a cellar-way where they will be neither too cool nor too warm, and they should be turned every day. If they are placed in cotton and not allowed to touch each other all the better. But unless the eggs are costly, precious, this extra care is generally dispensed with.

FARMERS AND THE CENSUS.

The census year began June 1, 1889, and ends May 31, 1890. Each State has from one to eleven supervisors' districts. There are 175 supervisors in all. There are 42,000 enumerators, who in all parts of the country will begin their work Monday morning, June 2, 1890. Every farm will be visited before June 30, and the following questions will be asked, keeping in mind that the figures you are to give nearly all pertain to the crops of 1889, and are not to the growing crops of 1890:

Your name as occupant of the farm.

Are you owner, renter for money, or for share of the crops of the farm?

Are you white or black?

Number of acres of land, improved and unimproved.

Acres irrigated.

Number of artesian wells flowing.

Value of farm, buildings, implements, machinery, and live stock.

Fences: Cost of building and repairing.

Cost of fertilizers.

Labor: Amounts paid for labor, including board; weeks of hired labor, white or black.

Products: Estimated value of all farm productions sold, consumed, or on hand for 1889.

Forestry: Amount of wood cut, and value of all forest products sold.

Grasslands: Acres of each kind of grassland cut for hay or pastured; tons of hay and straw sold; clover and grass seeds produced and sold; silos and their capacity.

Sugar: Cane, sorghum, maple, and beet; sugar and molasses; acres, product and value of each.

Castor Beans: Acres.

Cereals: Barley, buckwheat, Indian

corn, oats, rye, wheat; acres crop, amount of each sold and consumed, and value.

Rice: Acres, crop, and value.

Tobacco: Acres, crop, amount sold, and value.

Peas and Beans: Bushels, and value of crop sold.

Peanuts: Acres, bushels and value.

Hops: Acres, pounds, and value.

Fibers: Cotton, flax, and hemp; acres, crop and value.

Broom Corn: Acres, pounds, and value.

Live Stock: Horses, mules, and asses; number on hand June 1, 1890; number foaled in 1889; number sold in 1889; number died in 1889.

Sheep: Number on hand June 1, 1890, of "fine wool," "long wool," and "all other;" number of lambs dropped in 1889; "spring lambs" sold in 1889; sold in 1889 other than "spring lambs;" slaughtered for use on the farm in 1889; killed by dogs in 1889; died from other causes in 1889.

Wool: Shorn spring of 1890 and fall of 1889.

Goats: Number of Angora and common.

Dogs: On farm June 1, 1890.

Neat Cattle: Working oxen, milch cows, and other cattle on hand June 1, 1890; number of pure bred, grade and common; calves dropped in 1889; cattle sold in 1889, slaughtered for use on the farm, and died in 1889.

Dairy: Milk—total gallons produced on farm; sold for use in families; sent to creamery or factory; used on farm in raising cream for sale, including for creamery or factory. Butter—pounds made on farm and sold in 1889. Cream—quarts sent to creamery or factory; sold other than to creamery or factory. Cheese—pounds made on farm and sold in 1889.

Swine: Number on hand June 1, 1890; sold in 1889; consumed on farm and died in 1889.

Poultry; Number each of chickens, turkeys, geese, and ducks on hand June 1, 1890; value of all poultry products sold; eggs produced, sold, and value in 1889.

Bees: Number of stands, pounds of honey and wax produced, and value.

Onions: Field crop—number of acres, bushels produced and sold, and value.

Potatoes: Sweet and Irish, bushels produced and sold.

Market Gardens and Small Fruits: Number of acres in vegetables, blackberries, cranberries, raspberries, strawberries, and other small fruits, and total value of products in 1889.

Vegetables and Fruits for Canning: Number of acres, and products, in bushels, of peas and beans, green corn, tomatoes, other vegetables and fruits.

Orchards: Apples, apricots, cherries, peaches, pears, plums, and prunes, and other orchard fruits; in each the number of acres, crop in 1889, number of bearing trees, number of young trees not bearing, and value of all orchard products sold.

Vineyard: Number of acres in vines bearing and in young vines not bearing; products of grapes and raisins, and value in 1889.

Besides these questions on the regular Agricultural Schedule No. 2, Superintendent ROBERT P. PORTER has ordered several special investigations in the interests of agriculture, among which are Viticulture, Nurseries, Florists, Seed and truck Farms, Semi-tropic Fruits, Oranges, etc., Live Stock on the great ranges, in cities and villages; also the names and number of all the various farmers' organizations, such as Agricultural and Horticultural Societies, poultry and Bee Associations, Farmers' Clubs, Granges, Alliances, Wheels, Unions, Leagues, etc.

In no part of the census work have the lines been extended more than in the direction of agriculture, and if farmers will

now cheerfully co-operate with the enumerators and other officials in promptly furnishing the correct figures more comprehensive returns regarding our greatest industry will be obtained than ever before.

Reliable Men Wanted.

D. H. Patty, a prominent nursery man in Geneva, N. Y., has written us inquiring where he can get a few reliable men to solicit orders. He wishes men to canvass and take orders for trees, shrubs and vines for fall delivery and promises steady employment to good salesmen. If any of our readers desire a good position, we would advise them to write to Mr. Patty for particulars. Address with reference.

D. H. PATTY, Nurseryman, Geneva, N. Y.

AN APT STUDENT.

Several winters ago a woman was coming out from a public building where the heavy doors swung back and made egress somewhat difficult. A little urchin sprang to the rescue, and, as he held open the door, she said, "Thank you," and passed on.

"D'ye hear that?" said the boy to a companion standing near him.

"No, what?"

"Why, that lady said 'Thank ye' to the likes o' me."

Amused at the conversation, the lady turned and said to the boy:

"It always pays to be polite, my boy; remember that."

Years passed away, and last December, when doing her Christmas shopping, this same lady received exceptional courtesy from a clerk in Boston, which caused her to remark to a lady who was with her:

"What a great comfort to be civilly treated once in a while, though I don't know that I blame the store clerks for being rude during the holidays."

The young man's quick ear caught the words, and he said:

"Pardon me, madam, but you gave me my first lesson in politeness a few years ago."

The lady looked at him in amazement while he related the little forgotten incident, and told her that the simple "Thank you" awakened his ambition to be something in the world. He went and applied for a situation as office boy in the establishment where he was now an honored and trusted clerk.

Only two words, dropped into the treasury of a street conversation, but they yielded returns most satisfactory.

the tragic side of human experience till you find yourself in the mad-house. And what would be the good of that?

A man's first business, say the Puritans, is to battle with his temptations; and with these temptations, therefore, his thoughts should be wholly engrossed. I tell you he will best battle with his temptations by drawing his thoughts away from them. And here laughter and merriment, no less than healthy occupation, have their part to play. Cheerful amusements have saved many a soul from death.—*Prof. Momerie.*

TABLE MEETINGS.

When the family harmony is at its best, how delightful are the table meetings, and what pleasant *bon mots* are exchanged there! Sidney Smith called a fine dinner party "the perfection of modern civilization;" and Johnson says, "we meet at table to eat and drink, and to promote kindness;" and elsewhere he said, "wherever the dinner is ill got up there is poverty, or there is avarice, or there is stupidity; in short, the family is somehow grossly wrong.—*Good Housekeeping.*

WEST BROOK, NORTH CAROLINA,

Sept. 6th, 1886.

DR. A. T. SHALENBARGER,

Rochester, Pa. *Dear Sir*—The two boxes of Pills you sent me did everything you said they would. My son was the victim of Malaria, deep-set, by living in Florida two years, and the Antidote has done more than five hundred dollars' worth of other medicines could have done for him. I have had one of my neighbors try the medicine, and it cured him immediately. I now recommend it to every one suffering from Malaria.

Respectfully yours, W. W. MONROE.

LAUGHTER.

You may always trust the man whose laughter has a genuine ring about it. Laughter, merriment, cheerfulness, and everything that conduces to cheerfulness, are absolutely essential to enable us to live our best.

Life is so serious, you may say, that the man that is in earnest will have no time for laughter. I tell you, it is just because life is so serious that we need all the laughter we can get to help us through with it. You may think too much of the seriousness of life. You may brood over

STARTLING FIGURES.

Our population in 1750 was 1,260,000. At the end of thirty years, in 1780, it had reached 2,945,000. At the end of thirty years more, the lifetime of a generation, 1810, it stood at 7,299,891. In the course of another generation, or in 1840, it was 17,069,453. At the present time the figures run up to the neighborhood of 65,000,000.

If this ratio of increase is a fair basis for prediction we shall have at the time when the ten-year-old boy of to-day shall be forty years of age, in 1920, something like 160,000,000 of people in the United States, and when that man of forty reaches his

seventieth birthday, 1950, we shall have close upon 400,000,000. That man's son, who will be in "the youth of his old age" in 1990, one hundred years from now, will be the citizen of a Republic with a population of more than 1,000,000,000

These figures are rather appalling. They are in the regions of the unthinkable, and so far beyond the reach of our imagination that they are practically valueless.

Events may happen which will materially impede this progress of numbers. But even if we cut the sum total down fifty per cent., which would seem to be discount enough for any emergency, we still have a population of five hundred millions as the result of another century of national life.

ELECTRIC BELT FREE.

To introduce it and obtain agents the undersigned firm will give away a few of their \$5.00 German Electric Belts invented by Prof. Van der Weyde, Pres. of the New York Electrical Society (U. S. Pat. 257,647) a positive cure for Nervous Debility, Rheumatism, Loss of Power, &c. Address Electric Agency, P. O. Box 178, Brooklyn, N. Y. Write them to-day.

Many Persons

Are broken down from overwork or household cares **Brown's Iron Bitters** rebuilds the system, aids digestion, removes excess of bile, and cures malaria. Get the genuine.

BOOKS, CATALOGUES, &c.

A Dairyman's Account Book has been issued by the enterprising firm of Wells, Richardson & Co. of Brattleboro, Vermont, which our readers can have by sending a postal card request for it. It will be an excellent memorandum book for the pocket, or the desk.

Stolen America, one of the Sunshine Series of Cassell publishing Co., N. Y., 50 cents, by Isobel Henderson Floyd.

This is a novel of strong interest, principally relating to the island of Bermuda, and containing many passages which will well repay the reader for his expense and time bestowed upon it.

Harper's Monthly for June is particularly rich in both its articles and illustrations. It is rightly considered one of the indispensables in our homes. We cannot even catalogue the many excellencies of this number.

The Delineator, from the Butterick Publishing Co., New York, \$1.00 a year, is the most elaborate publication ever printed for so small a sum. It is devoted to everything that belongs to the dress of mothers, daughters and children, and also enters into all that adds to the refinement and noble character of our home life.

We have received regularly the various publications of the Agricultural Department, the State Department, the various Experiment Stations and have made such use of them from time to time as best we could.

We have received from Mr. Claus Vocke, Consul of the Netherlands, the Friesian Herdbook, 1889—This class of cattle are known in this country as Holsteins, but we are assured that Holstein does not have this peculiar breed.

The Century comes promptly on the first of every month with its rich and entertaining variety.

CATARRH CURED.

A clergyman, after years of suffering from that loathsome disease Catarrh, and vainly trying every known remedy, at last found a prescription which completely cured and saved him from death. Any sufferer from this dreadful disease sending a self-addressed envelope to Prof. J. A. Lawrence, 88 Warren Street, New York, will receive the recipe free of charge.

Entered as second class matter at Baltimore, Md.

THE
MARYLAND FARMER
 AND
 NEW FARM.

Agriculture, Live Stock and Home Life.

Oldest Agricultural Journal in Maryland and
 for ten years the only one.

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BALTIMORE, MD.

WALWORTH & Co., Editors and Publishers.

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\$1.00 a year in advance.

1.50 if not paid until the end of the year.

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Discounts, 10 off for 3 mos., 15 for 6, 20 for 9, 25 for 12
 Advertisements to be inserted once a month
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Covers, p. 2 add 30, 3 add 25, 4 add 50.

Special location, on any page, 20 per cent extra.

No reading notices free.

Reading notices twice the price of advertisements.

ISSUED EVERY WEEK.

THE BALTIMORE COUNTY FAIR.

We must return our thanks to the State Temperance Alliance, the local Agricultural Clubs, the Church Conferences, and especially to the W. C. T. U. of Baltimore County and Local Union officers, for the hearty manner in which they seconded the efforts of the MARYLAND FARMER to cause the managers of the Fair to reverse their unfortunate action of the April meeting.

It is a matter of congratulation that the principal objection is now obviated, as will be seen in the card of the managers following this article. We were well satisfied that the sentiment of the people was opposed to the report adopted at their April meeting. The liquor selling and gamb-

ling devices being especially objectionable.

Those of the managers who have advanced funds to the Society should be duly commended for their liberality, and will of course be reimbursed as soon as possible.

The Maryland Farmer will now cheerfully give any reasonable amount of space to extend the knowledge to all concerned that the managers have concluded to exclude liquor selling and gambling from the Fair grounds. And in view of this fact we shall, from time to time, urge upon the farmers, implement dealers, and all who have any exhibits which can add to the attraction, interest and usefulness of the Fair, to generously patronize it.

We have not opposed individuals at any time; but only worked, as we thought it a duty to work, for the general good. It is truly a pleasure that we are able to say, let everyone bury all past feeling in the matter and make the Fair such a success as shall be memorable for years to come. The following is the official action of the managers:

Baltimore County Agricultural Society.

To the Stockholders of the Agricultural Society and Citizens of Baltimore Co:

It is well known that the Fair held at Timonium last year was fully equal to the Fairs of previous years, but owing to special attractions then offered at Pimlico, and bad weather, the revenue was not equal to the expenses. In fact there was a deficit of nearly \$2,000. This with the accruing interest on the mortgage debt, would have permanently crippled the Society, had not some of the gentlemen now composing the Board of Managers, advanced from their own means sufficient to pay up all indebtedness. While this liberal action on their part gives us temporary relief, it only shifts the burden to be provided for hereafter. Of course

the gentlemen making the advances, unsolicited on their part, have been selected as Managers for the present year, and they fill this undesirable office at the expense of their individual interests, without compensation, and have no privileges or advantages over any other stockholders.

For years past certain privileges have been excluded which have been universally sold and made use of as a source of revenue at all Agricultural Fairs in this State, and in fact in all other States with few exceptions. With a view to apply these privileges, if desirable, for the increase of revenue, at the meeting of the Board held in April, the Secretary was instructed to advertise for proposals for the sale of these privileges and report the offers, if any, to the Board of Managers for their consideration at the next meeting. After carefully considering the matter of selling liquor and other privileges, we have concluded not to allow liquor to be sold on the grounds.

In conclusion, we think we have the right to ask every citizen of Baltimore county to assist us in making the coming Fair a success, and we further ask of all who can possibly do so that they will at once subscribe for one or more Shares of Stock, the price being \$5.00 a Share, and can be gotten by writing to or applying in person to any of the Directors, whose names and addresses are given below.

There will be no waiver of Stockholders' privileges, as currently reported.

D. M. MATTHEWS, President,
Dulaney's Valley.

WM. H. WIGHT, Cockeysville.

C. LYON ROGERS, Mount Wilson.

WM. B. COCKEY, Pikesville.

W. JEFF. SHANKLIN, Look Raven.

WM. FELL JOHNSON, Brooklandville

WM. H. HOPPS, Spears Wharf, Balto.

D. H. RICE, Towson.

WM. S. POWELL, Bowley's Wharf, Balto.
ALEX. McCORMICK, Fullerton.

S. G. CROCKER, North Street, Balto.

JOHN C. BOSLEY, Shawan.

H. C. LONGNECKER, Secretary,
Towson, Md.

DECORATION DAY.

The 30th of May is becoming one of the noted days throughout our country. We love our dead. Our hearts go out to them. When we cover their graves with flowers it is a blessing to ourselves, for it elevates, ennobles ourselves. May it awaken only tender sentiments in all our hearts, and may it impress upon all of us, such a feeling of the terrible character of war that we shall hesitate long before ever again inviting it as an instrument to right any wrong. As the years pass by arbitration becomes more and more the best and most christian method of settling all disputes.

DECEIVING ESTIMATES.

In estimating what any crop takes from the land, of the manure or fertilizer supplied, a great fallacy is observable by the thoughtful. For example:

Suppose \$150 in fertilizer is placed upon



This threshing-machine received the two last **Cold Medals** given by the New York State Agricultural Society; and has been selected, over all others, and illustrated and described in that great work, "Appleton's Encyclopedia of Applied Mechanics;" thus, establishing it as the **standard machine of America. Straw-preserving Rye-Threshers, Clover-hullers, Ensilage-cutters, Feed-mills, Fanning-mills, and Wood Saw-machines; all of the best in market.** The **Fearless Horse-powers** are the most **economical and best Powers** built for the running of Ensilage cutters, Cotton gins, and general farm and plantation use. For free Catalogues, address
MINARD HARDER, Cobleskill, N. Y.

a field of corn. When the estimate of cost is made, it is found that the analysis of the crop shows \$102 have been used by the crop. It is not right to suppose that the cost should be graded by this analysis of the crop and that \$48 unexpended fertilizer remains in the soil for future crops. It is not so.

If the soil is of a light character the \$48 has mostly disappeared, and in any event a large part of it must be put down to the natural waste which will inevitably take place by the action of the atmosphere and sunlight on the surface undergoing the process of culture.

To say, therefore, that the cost of a crop can be determined with any reasonable degree of accuracy, allowing that only a portion of the fertilizing elements have been used, is exceedingly deceitful. It cannot be done.

The most perfect analysis of both fertilizer and crop cannot possibly find the amount of waste during the time of growth and during the time to elapse before the succeeding crop. Even the analysis of soil is acknowledged to be a failure in this respect.

Read the advertisement of Prof. Smith, of Lexington, Ky., whose College received the Gold Medal at the World's Exposition for business education. Summer session now open.

Neuralgic Persons

And those troubled with nervousness resulting from care or overwork will be relieved by taking

Brown's Iron Bitters. Genuine has trade mark and crossed red lines on wrapper.

BUTTER AND CHEESE.

Butter is no kind of food when taken alone. It is only a relish for other food. It supplies none of the requisites for health or strength. Cheese, however, contains

PERFECT DAYS IN JUNE

Need perfect Lays for June—and here they are!

IN SHEET MUSIC FORM

ELAINE A Love Song Van de Water 50c
MIZPAH Song Adam Geibel 35c
SIGNAL BELLS AT SEA Song W. S. Hays 40c
OLD HOME DOWN ON THE FARM Dubois 40c
VISIONS OF REST WALTZES F. T. Baker 60c
DANCE ECOSSAISE F. T. Baker 60c
EDELWEISS Glide Waltz T. E. Vanderbeck 60c
BATTLE WON Triumphal March E. Holst 50c

IN BOOK FORM.

SABBATH DAY MUSIC. For Piano. Very beautiful music. More than 40 sacred airs. Arranged by Leon Keach.

OPERATIC PIANO COLLECTION. The best of the music of 19 operas. Arr. for Piano.

YOUNG PLAYERS' POPULAR COLLECTION. 51 very easy and very good pieces.

CLASSIC FOUR-HAND COLLECTION. 19 Piano Duets. Highly praised by good players.


PIANO CLASSICS. Volume 2. Marvellously good pieces, as are those of vol. 1.

SONG CLASSICS. Volume 2. Grand music.

Any book or piece mailed for retail price, which, for any one of the superior books above mentioned is but \$1.00.

OLIVER DITSON COMPANY, Boston.

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The greatest offer ever made in the art line
A Finished Portrait 22x16, in permanent platinum; also one dozen best cabinet photographs, **all for \$8.50.**

Permanency and Likeness Warranted.

Our customers having negatives with us, can have one of the portraits at the same rate—cost of cabinets deducted.

Call and see Specimens.

SHOREY'S,
E. Baltimore Street, near Calvert Street.

everything needed for strength, nourishment and bodily development. In this last fact we learn the reason why skim-milk is so valuable for all kinds of stock. In taking away the cream very little of the real value of the milk is removed. Those cows which give plenty of the milk containing cheese elements are actually best for all the economic uses of life. Cheese is worth vastly more than butter to everyone who needs strength for the performance of labor or the endurance of fatigue.

SWINE AS CULTIVATORS.

Not that they may be used as horses and oxen are used in the midst of a growing crop; but in the preliminary preparation of the soil. Perhaps no animal can be utilized to better advantage in the pulverization of a field than can hogs. How?

Place a dozen of them on an acre, no matter what the character of the land, and at different points and from time to time sink a few handfuls of corn beneath the surface. It will be a matter of great surprise to those not previously acquainted with the swines persistence, to see how soon that acre will be thoroughly ploughed, thoroughly pulverized, thoroughly enriched, and thus prepared for any crop. To any farmer who is provided with a movable fence to encircle an acre at a time, his hogs may be made his best cultivators.

PLEASANTRIES.

Brown: "Business brisk?"

"Scissorsgrinder: "Yes, everything is dull."

Mistress: "There goes another dish broken!"

Servant: "Be aisy, marm, it was only one I hadn't washed."

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Patent June 7, '87
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We give them as premiums for subscribers.

Milk for Fowls.

In cases where milk is plentiful it is well not only to feed it skimmed to fowls but, once a week or oftener, to give the milk in form of curd, by heating it till the whey separates from the more solid portions. This is very nutritious, and its constituents so nearly resemble the white of the egg that egg formation must naturally follow its use. Let no one hesitate to take from his waste milk whatever his hens will use, assured that they will yield five times over the returns that swine or any other stock would give for the same amount, is the expressed opinion of Dairy World.

Horse Sense.

Good care lightens the horse's load.

With easy, well fitting harness not so many oats are required.

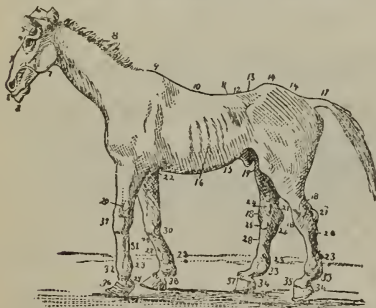
To bring up a worn down horse, give it light work, not idleness.

If the horse is subject to colic, give it a little salt and ashes on its grain once a day, and feed more oats and less corn.

J. B. Lawes, the well-known English experimenter, has let all his pasture land and a good deal of his arable land at Rothamsted to his neighboring tenant. He retains the farm buildings and about 100 acres of arable land, and this will enable him to give all his attention to his experiments.

DEFECTS IN THE HORSE.

The majority of defects in the horse's conformation are only relative defects, with regard to the uses to which the animal may be put. Thus, a large heavy head, short thick neck, short upright shoulders and a double drooping croup

**DEFECTS OF CONFORMATION.**

are defects in a saddle horse, which

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POST CAPTAIN.**PEDIGREE.**

Sire, Sportsman 299; g. sire, Brilliant 42; g. g. sire, Yatton Lad 314; g. g. g. sire, Wonderful Lad 69; g. g. g. g. sire, Cleveland 60; g. g. g. g. g. sire, Champion 50; g. g. g. g. g. g. sire, Summercock 304; g. g. g. g. g. g. g. sire, Sky Rocket 280. Dam's sire, Barnaby 18; g. sire, King George 161; g. g. sire, Victory 157; g. g. g. sire, Volunteer 338; g. g. g. g. sire, Victory 438; g. g. g. g. g. sire, Barley Harvest 447. (The above pedigree is from the Cleveland Bay Stud Book of England.)

DESCRIPTION.

Post Captain is a beautiful golden bay in color, 16½ hands high, weighs 1350 lbs and is just 5 years old. He is a high stepper, with beautiful action, and promises great speed shows already without training less than a 4 minute gait. The progress of this famous breed are all bays in color, well matched, and is the gentleman's carriage horse in England—No trouble to get matches which command high prices. He has only to be seen to be admired—His symmetry is magnificent, and is a sure foal getter. Terms \$25.00 the season, with the privilege to return mares during fall season should they not prove in foal. Mares from a distance to be paid for when taken away—will care for mares at a cost of \$2.00 a week, shipment of course at expense of owners of mares, write to

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should possess precisely opposite qualities; they are, on the contrary, favorable in a heavy draught horse. A forehead much lower than the hind quarters is a good conformation for a race horse on a flat course, but very bad in a roadster. Certain conformations are esteemed good according to taste or the fashion. Thus the Roman nose (3) was very much admired during the reigns of Louis XIV and Louis XV, but has not been so since; the straight face, and even that which is a little hollow, is now preferred. There are, nevertheless, defects which remain so under all circumstances; such as long, wide apart or drooping ears (hog ears, 6); small eyes; flat, narrow sides; narrow chest; long, badly attached loins (12); tucked up belly (15); rat tail (17); tendons tied in (30); long pasterns.

- | | |
|-------------------------------------|------------------------------------|
| 1. Glanderous discharge and ulcers. | 21. Capped hock. |
| 2. Pendulous lips. | 22. Capped elbow. |
| 3. "Roman nose." | 23. Windgalls |
| 4. Cataracts, Amaurosis | 24. Curb. |
| 5. Hollow above the eye-brows. | 25. Spavin. |
| 6. Lop or pig ears. | 26. Hock splent. |
| 7. Glands, or glanders. | 27. Simple splent. |
| 8. Mange. | 28. Multiple splents. |
| 9. Fistulous withers | 29. Side bone. |
| 10. Saddle galled. | 30. Weak tendon. |
| 11. Tucked up in front. | 31. Sprained tendon. |
| 12. Weak loined. | 32. Knuckling over at the fetlock. |
| 13. Ragged hips or haunches | 33. Enlarged fetlocks. |
| 14. Mule or goose rump. | 34. Grease and "grapes" |
| 15. Herring bellied | 35. Contracted tendons. |
| 16. Flat ribbed. | 36. Foot deformed by laminitis. |
| 17. Rat tailed. | 37. Sanderack at toe. |
| 18. Thorough pin. | 38. Sanderack at quarter |
| 19. Swollen stifle. | 39. Broken knee. |
| 20. Knee windgall | 40. Bony tumors and swollen knee. |

CULTIVATION OF CORN.

Important Points Worthy the Attention of Cultivators of the Corn Crop—The Necessity for Liberal Manuring, Thorough Cultivation and Underdrainage.

In recapitulating some of the positions taken in an elaborate article on corn culture, Country Gentleman calls to mind certain important points. First, that the preliminary step is to top dress the ground liberally, the previous autumn, if possible, with barnyard manure, for heavy crops depend greatly on enriched land.

Intelligent farmers claim that the difference between the effects of fall spread manure and spreading in the spring is

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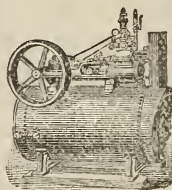
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FIG. 1—CORN IN THE WEEDS.

about 25 per cent. of the product in favor of the former.

The second point considered is that cultivating and mellowing the soil before planting has an important bearing on the successful growth, as well as for facilitating easy and thorough cultivation. In a word, proper preparation of the soil makes the difference between working the crop among weeds, grass and clods on one hand (Fig. 1), and in a fine, clean, well pulverized ground (Fig. 2). Thorough underdrainage is another all important point, as any one may see in a wet season, when dry knolls bear a rank growth of stalks and ears in contrast with the puny growth in the low and wet spots. A large amount of labor may be avoided by doing as much of the cultivating with horse labor, beginning with the smoothing barrow before the corn is up, and afterward until a foot high, the teeth passing in among the plants and cleaning out all weeds just as they reach the surface. On strong and clayey soils care must be taken not to use the cultivator when the ground is wet after rain so as to adhere; otherwise by baking into a hard crust the work will do more harm than good.



FIG. 2—CLEAN CULTURE OF CORN.

In short, with plenty of manure properly applied, thorough underdraining, pulverizing culture near the surface, and the care which every practical man will

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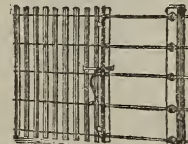
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observe, there will be no difficulty in raising from fifty to seventy shelled bushels to the acre (Fig. 2). It may be well to add that in damp autumns matured corn often weighs 20 to 25 per cent. more when first harvested than after drying a few months in the crib, and hence the reason why some reports give over a hundred bushels (by weight) to the acre, where only eighty or ninety of well dried grain was produced. In dry seasons there is less difference, but often much more than owners suppose.

Scours in Calves.

There is no remedy so good as prevention for scour in calves. Hoard's Dairyman names four conditions which are very productive of this derangement of the bowels: 1. Feeding milk cold. It will pay you to warm the milk till the calf is 8 months old. 2. Feeding the milk sour. 3. Not feeding often enough. A calf should be fed at least four times a day, then he does not gorge. 4. Keeping the calf perfectly dry. This last is a most important provision, but it is imperative. Wet bedding will sicken a calf as soon as anything in the world. Keep these conditions always in mind if you want healthy calves.

Bricking the Inside of a Silo.

A Wisconsin farmer, writing to Hoard's Dairyman, suggests lining the inside of a silo with bricks laid edgewise. He says: It will cost a trifle more on the start, but is far cheaper in the end, if well done throughout and kept well painted on the outside. I don't see why it won't last an age, or as long as one man will wish to see it. Another thing, brick is a great absorbent, which I think will have a tendency to preserve the corners.

In laying the brick I would occasionally insert a steel wire spike, which would insure its remaining firm to the side.

Artificial Incubators.

Artificial incubators are a scientific success without a doubt, but the editor of Field and Farm thinks that they have no place on an ordinary farm. The good old fashioned way of hatching chicks with faithful biddies is the best. On an exclusive poultry farm where there is some one to give his exclusive attention to the incubator it may be manipulated with success, but otherwise it is better to stick to the hen mother.

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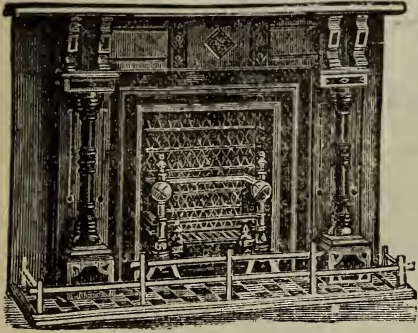
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